



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/929,353	08/15/2001	Wen-Tsung Liu	LIUW3001/EM/7128	8865
23364	7590	02/23/2005	EXAMINER	
BACON & THOMAS, PLLC 625 SLATERS LANE FOURTH FLOOR ALEXANDRIA, VA 22314			VU, THONG H	
			ART UNIT	PAPER NUMBER
			2142	

DATE MAILED: 02/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/929,353

Applicant(s)

LIU ET AL.

Examiner

Thong H Vu

Art Unit

2142

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 February 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Art Unit: 2142

1. Claims 1-5 are pending.

Response to Arguments

2. Applicant's arguments with respect to claims 1-5 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 112

3. Claim 1 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention (i.e.: wherein when any of the signal transmission ends of the - ?- or the second interface provides said action signals).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-5 are rejected under 35 U.S.C. § 103 as being unpatentable over Takagawa et al [Takagawa 5,987,612] in view of Silverman et al [Silverman, 6,370,603 B1]

4. As per claim 1, Takagawa discloses A double interfaced storage communication network card having a front end arranged to be removably inserted into a card-insertion slot of a first computing device, said first computing device transmitting action signals through a first interface to cause the communication network card to carry out an instructional action in response to an application demand from the first computing device and a second interface arranged to be connected to a second computing device

Art Unit: 2142

said second computing device transmitting action signals through said second interface to cause the communication network card to carry out said instructional action in response to an application demand from the second computing device said storage communication network card including:

a communication protocol device, a first interface and a first signal transmission end disposed at the front end thereof for insertion into said card-insertion slot of said first computing device so as to support said application demand from the first computing device, and a receiving space disposed inside the network card for accommodating a circuit board or other electronic components arranged to support and-said instructional action in response to said action signals received from said first computing device, a micro control chip and a memory body, comprising [Takagawa, the card interface and a CPU, col 4 lines 1-10; the card interface portion can install the two information cards 9a,9b which have information recorded within IC and allow free insertion an removal, col 4 lines 11-28, Fig 1]:

a communication protocol device disposed at a respective end of the first interface [Takagawa, a function to automatically originate a call to an Internet access point , col 4 lines 11-28];

wherein the communication protocol device includes said second interface and a second signal transmission end for connecting with a CPU of said second computer device [Takagawa, communicate to WWW server, col 4 lines 29-44, Fig 1];

wherein the micro control chip automatically detects, judges and supports said action signals from either of the first computing device and the second computing

Art Unit: 2142

device through the first and the second interfaces [Takagawa, detects the removal of the card, col 4 line 51-col 5 line 15]; and

wherein when any of the signal transmission ends of the (?) or the second interface provides said action signals,

However Takagawa does not detail the micro control chip orders the circuit board or other electronic components to support said instructional action in response to said action signals from either of the first computing device and the second computing device through either of the first and the second interfaces.

Silverman discloses network interface device including a IC chip mounted to a circuit board using the IEEE1394 interface can response to the signal of any type of signal approaches [Silverman, col 8 lines 44-52]. It was well-known in the art that IEEE bus detects any signal of any interface card insert or remove.

Therefore it would have been obvious to an ordinary skill in the art at the time the invention was made to incorporate the circuit board with IC chip using IEEE 1394 bus to adapted to other interfaces as taught by Silverman into the Takagawa's apparatus in order to utilize the communication interface device. Doing so would provide a quick, simple and reliable process to adapt to any networking types of approaches.

5. As per claim 2, Takagawa-Silverman disclose the storage communication device includes at least a peripheral product corresponding with the regulation of a PC card and a CF card as design choice of URL card or ID card.

Art Unit: 2142

6. As per claim 3, Takagawa-Silverman disclose the communication device includes at least USB and 1394 devices [Silverman, USB, IEEE 1394, col 8 lines 19-23].

7. As per claim 4, Takagawa-Silverman disclose the second signal transmission end connects to a signal transmission cable for connecting with the CPU of the second computing device [Takagawa, Fig 1,12][Silverman, smart cable, col 10 line 39 et seq.].

As per claim 5, Takagawa-Silverman disclose the peripheral products corresponding with the regulations of the PC card and the CF card include at least a memory card, a digital card, various types of converter cards for the memory cards, cabled and wireless network cards, and a bluetooth wireless communication card as a design choice.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Thong Vu, whose telephone number is (571)-272-3904. The examiner can normally be reached on Monday-Thursday from 8:00AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, *Jack Harvey*, can be reached at (571) 272-3896. The fax number for the organization where this application or proceeding is assigned is 703-872-9306

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PMR or Public PMR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thong Vu
Patent Examiner
Art Unit 2142

